

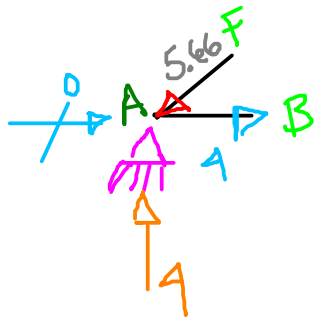
$$\sum M_A = (4)(10) + 4(20) - D_y(30) = 0$$

$$D_y = 4$$

$$\sum F_y = A_y - 4 - 4 + 4 = 0$$

$$A_y = 4$$

Node A



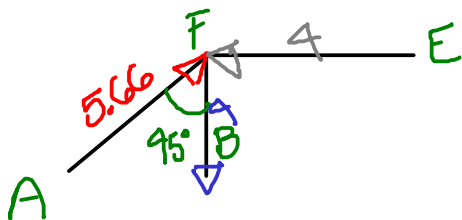
$$\sum F_y = 4 - F_{AF} \sin 45^\circ = 0$$

$$F_{AF} = 5.66 \text{ (C)}$$

$$\sum F_x = -5.66 \cos 45^\circ + F_{AB} = 0$$

$$F_{AB} = 4 \text{ (T)}$$

Node F



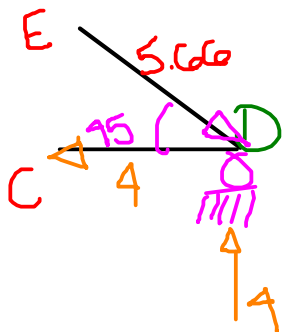
$$\sum F_x = 5.66 \sin 45^\circ - F_{FE} = 0$$

$$F_{FE} = 4 \text{ C}$$

$$\sum F_y = 5.66 \cos 45^\circ - F_{FB} = 0$$

$$F_{FB} = 4 \text{ (T)}$$

Node D



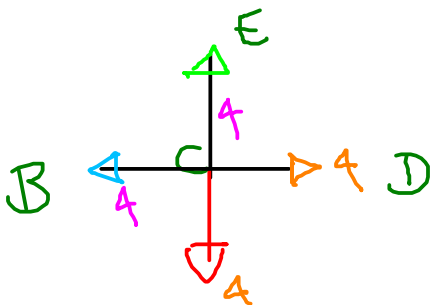
$$\sum F_y = 4 - F_{ED} \sin 45^\circ = 0$$

$$F_{ED} = 5.66 \text{ C}$$

$$\sum F_x = 5.66 \cos 45^\circ - F_{DC} = 0$$

$$F_{DC} = 4 \text{ (T)}$$

Node C



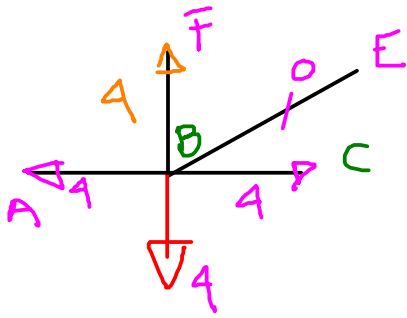
$$\sum F_x = 4 - F_{BC} = 0$$

$$F_{BC} = 4 \text{ (T)}$$

$$\sum F_y = -4 + F_{CE} = 0$$

$$F_{CE} = 4 \text{ (T)}$$

Nodo B

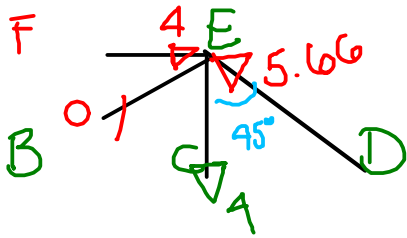


$$\Sigma F_x = -4 + 4 + F_{BE} \cos 45^\circ = 0$$

$$F_{BE} = 0$$

$$\Sigma F_y = -4 + \cancel{F_{BE} \sin 45^\circ} + 4 = 0$$

Nodo E



$$\Sigma F_x = 4 - 5.66 \sin 45^\circ = 0$$

$$\Sigma F_y = -4 + 5.66 \cos 45^\circ = 0$$